

RAW SEQUENCE LISTING

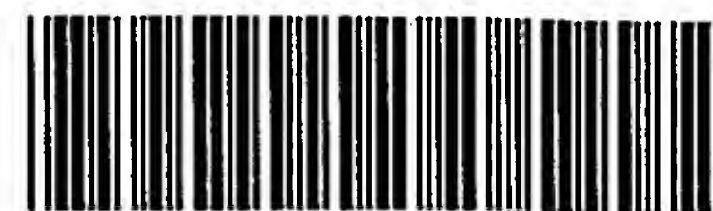
The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/553,305A

Source: IFWP

Date Processed by STIC: 11/3/06

ENTERED



IFWP

RAW SEQUENCE LISTING

DATE: 11/03/2006

PATENT APPLICATION: US/10/553,305A

TIME: 10:29:04

Input Set : A:\64312465.APP

Output Set: N:\CRF4\11032006\J553305A.raw

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3 <110> APPLICANT: KOBAYASHI, NORIHIRO
4      GODA, YASUHIRO
5      HIROBE, MASATO
7 <120> TITLE OF INVENTION: PROTEIN CAPABLE OF BINDING PLASTICIZER
9 <130> FILE REFERENCE: 64312(46590)
11 <140> CURRENT APPLICATION NUMBER: 10/553,305A
12 <141> CURRENT FILING DATE: 2005-10-14
14 <150> PRIOR APPLICATION NUMBER: PCT/JP04/005250
15 <151> PRIOR FILING DATE: 2004-04-13
17 <150> PRIOR APPLICATION NUMBER: JP 2003-110877
18 <151> PRIOR FILING DATE: 2003-04-15
20 <160> NUMBER OF SEQ ID NOS: 34
22 <170> SOFTWARE: PatentIn version 3.3
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 363
26 <212> TYPE: DNA
27 <213> ORGANISM: Mus musculus
30 <220> FEATURE:
31 <221> NAME/KEY: CDS
32 <222> LOCATION: (1)..(363)
34 <400> SEQUENCE: 1
35 gag gtg cat ctg gtg gag tct ggg gga gac tta gtg agg cct gga ggg      48
36 Glu Val His Leu Val Glu Ser Gly Gly Asp Leu Val Arg Pro Gly Gly
37 1          5          10          15
39 tcc ctg aaa ctg tcc tgt gca gcc tct gga ttc act ttc gga agt tat      96
40 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr
41          20          25          30
43 ggc atg tct tgg gtt cgc cag act gca gac aag agg ctg gag tgg gtc      144
44 Gly Met Ser Trp Val Arg Gln Thr Ala Asp Lys Arg Leu Glu Trp Val
45          35          40          45
47 gca acc att tat agt ggt ggt ttt tac acc tac tat cca gac agt gtg      192
48 Ala Thr Ile Tyr Ser Gly Gly Phe Tyr Thr Tyr Tyr Pro Asp Ser Val
49          50          55          60
51 agg gga cga ttc acc atc tcc aga gac aat gtc aag gaa atc gtg tat      240
52 Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Glu Ile Val Tyr
53 65          70          75          80
55 ctg caa atg agc agt ctg aag tct gag gac aca gcc atg tat tac tgt      288
56 Leu Gln Met Ser Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys
57          85          90          95
59 gca aga cgg acg gta gta tct acg gac tat act ttg gac tac tgg ggt      336
60 Ala Arg Arg Thr Val Val Ser Thr Asp Tyr Thr Leu Asp Tyr Trp Gly
61          100          105          110
63 caa gga acc tca gtc atc gtc tcc tca      363

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64 Gln Gly Thr Ser Val Ile Val Ser Ser

65 115 120

68 <210> SEQ ID NO: 2

69 <211> LENGTH: 121

70 <212> TYPE: PRT

71 <213> ORGANISM: Mus musculus

73 <400> SEQUENCE: 2

74 Glu Val His Leu Val Glu Ser Gly Gly Asp Leu Val Arg Pro Gly Gly

75 1 5 10 15

78 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Gly Ser Tyr

79 20 25 30

82 Gly Met Ser Trp Val Arg Gln Thr Ala Asp Lys Arg Leu Glu Trp Val

83 35 40 45

86 Ala Thr Ile Tyr Ser Gly Gly Phe Tyr Thr Tyr Tyr Pro Asp Ser Val

87 50 55 60

90 Arg Gly Arg Phe Thr Ile Ser Arg Asp Asn Val Lys Glu Ile Val Tyr

91 65 70 75 80

94 Leu Gln Met Ser Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys

95 85 90 95

98 Ala Arg Arg Thr Val Val Ser Thr Asp Tyr Thr Leu Asp Tyr Trp Gly

99 100 105 110

102 Gln Gly Thr Ser Val Ile Val Ser Ser

103 115 120

106 <210> SEQ ID NO: 3

107 <211> LENGTH: 318

108 <212> TYPE: DNA

109 <213> ORGANISM: Mus musculus

112 <220> FEATURE:

113 <221> NAME/KEY: CDS

114 <222> LOCATION: (1)..(318)

116 <400> SEQUENCE: 3

117 gat atc cag ata aca cag att aca tcc tcc ctg gct gcc tct ctg gga 48

118 Asp Ile Gln Ile Thr Gln Ile Thr Ser Ser Leu Ala Ala Ser Leu Gly

119 1 5 10 15

121 gac aga gtc acc atc agt tgc cgg cca agt cag gac atc agc aat ttt 96

122 Asp Arg Val Thr Ile Ser Cys Arg Pro Ser Gln Asp Ile Ser Asn Phe

123 20 25 30

125 tta aac tgg ttt cag cag aaa cca gat gga act gtt gaa gtc ctg atc 144

126 Leu Asn Trp Phe Gln Gln Lys Pro Asp Gly Thr Val Glu Val Leu Ile

127 35 40 45

129 tgc tac aca tta aga atg cac tta gga gtc cca tca acg ttc agt ggc 192

130 Cys Tyr Thr Leu Arg Met His Leu Gly Val Pro Ser Thr Phe Ser Gly

131 50 55 60

133 tgt gtg tct gga aca tat tat act ctc acc agt agc aac ctg gaa caa 240

134 Cys Val Ser Gly Thr Tyr Tyr Thr Leu Thr Ser Ser Asn Leu Glu Gln

135 65 70 75 80

137 gaa gat ata gac act tcc ttt gcc att agg att ata cgc gtg ctc acg 288

138 Glu Asp Ile Asp Thr Ser Phe Ala Ile Arg Ile Ile Arg Val Leu Thr

139 85 90 95

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318

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141 gtc ggt gca ggg acc acg ctg gag ctg aaa
142 Val Gly Ala Gly Thr Thr Leu Glu Leu Lys
143          100          105
146 <210> SEQ ID NO: 4
147 <211> LENGTH: 106
148 <212> TYPE: PRT
149 <213> ORGANISM: Mus musculus
151 <400> SEQUENCE: 4
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153 1          5          10          15
156 Asp Arg Val Thr Ile Ser Cys Arg Pro Ser Gln Asp Ile Ser Asn Phe
157          20          25          30
160 Leu Asn Trp Phe Gln Gln Lys Pro Asp Gly Thr Val Glu Val Leu Ile
161          35          40          45
164 Cys Tyr Thr Leu Arg Met His Leu Gly Val Pro Ser Thr Phe Ser Gly
165          50          55          60
168 Cys Val Ser Gly Thr Tyr Tyr Thr Leu Thr Ser Ser Asn Leu Glu Gln
169 65          70          75          80
172 Glu Asp Ile Asp Thr Ser Phe Ala Ile Arg Ile Ile Arg Val Leu Thr
173          85          90          95
176 Val Gly Ala Gly Thr Thr Leu Glu Leu Lys
177          100          105
180 <210> SEQ ID NO: 5
181 <211> LENGTH: 15
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:
186 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
187 linker
189 <400> SEQUENCE: 5
190 Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
191 1          5          10          15
194 <210> SEQ ID NO: 6
195 <211> LENGTH: 14
196 <212> TYPE: PRT
197 <213> ORGANISM: Artificial Sequence
199 <220> FEATURE:
200 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
201 linker
203 <400> SEQUENCE: 6
204 Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Lys Gly
205 1          5          10
208 <210> SEQ ID NO: 7
209 <211> LENGTH: 18
210 <212> TYPE: PRT
211 <213> ORGANISM: Artificial Sequence
213 <220> FEATURE:
214 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
215 linker

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Input Set : A:\64312465.APP

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217 <400> SEQUENCE: 7
 218 Gly Ser Thr Ser Gly Ser Gly Lys Ser Ser Glu Gly Ser Gly Ser Thr
 219 1 5 10 15
 222 Lys Gly
 226 <210> SEQ ID NO: 8
 227 <211> LENGTH: 12
 228 <212> TYPE: PRT
 229 <213> ORGANISM: Artificial Sequence
 231 <220> FEATURE:
 232 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 233 linker
 235 <400> SEQUENCE: 8
 236 Gly Ser Thr Ser Gly Lys Pro Ser Glu Gly Lys Gly
 237 1 5 10
 240 <210> SEQ ID NO: 9
 241 <211> LENGTH: 18
 242 <212> TYPE: PRT
 243 <213> ORGANISM: Artificial Sequence
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 247 linker
 249 <400> SEQUENCE: 9
 250 Gly Ser Thr Ser Gly Ser Gly Lys Pro Gly Ser Gly Glu Gly Ser Thr
 251 1 5 10 15
 254 Lys Gly
 258 <210> SEQ ID NO: 10
 259 <211> LENGTH: 18
 260 <212> TYPE: DNA
 261 <213> ORGANISM: Artificial Sequence
 263 <220> FEATURE:
 264 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 265 primer
 267 <400> SEQUENCE: 10
 268 gcttgccggg tgggccac 18
 271 <210> SEQ ID NO: 11
 272 <211> LENGTH: 18
 273 <212> TYPE: DNA
 274 <213> ORGANISM: Artificial Sequence
 276 <220> FEATURE:
 277 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
 278 primer
 280 <400> SEQUENCE: 11
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 284 <210> SEQ ID NO: 12
 285 <211> LENGTH: 28
 286 <212> TYPE: DNA
 287 <213> ORGANISM: Artificial Sequence
 289 <220> FEATURE:
 290 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic

RAW SEQUENCE LISTING

DATE: 11/03/2006

PATENT APPLICATION: US/10/553,305A

TIME: 10:29:04

Input Set : A:\64312465.APP

Output Set: N:\CRF4\11032006\J553305A.raw

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291      primer
293 <400> SEQUENCE: 12
294 ggatcccggg agtaccctt gaccaggc                28
297 <210> SEQ ID NO: 13
298 <211> LENGTH: 18
299 <212> TYPE: DNA
300 <213> ORGANISM: Artificial Sequence
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
304      primer
306 <400> SEQUENCE: 13
307 gttgaagctc ttgacaat                            18
310 <210> SEQ ID NO: 14
311 <211> LENGTH: 27
312 <212> TYPE: DNA
313 <213> ORGANISM: Artificial Sequence
315 <220> FEATURE:
316 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
317      primer
319 <400> SEQUENCE: 14
320 ggatcccggg tggatggtgg gaagatg                27
323 <210> SEQ ID NO: 15
324 <211> LENGTH: 36
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <223> OTHER INFORMATION: Description of Artificial Sequence: Synthetic
330      primer
332 <220> FEATURE:
333 <221> NAME/KEY: modified_base
334 <222> LOCATION: (24)
335 <223> OTHER INFORMATION: inosine
337 <220> FEATURE:
338 <221> NAME/KEY: modified_base
339 <222> LOCATION: (25)
340 <223> OTHER INFORMATION: inosine
342 <220> FEATURE:
343 <221> NAME/KEY: modified_base
344 <222> LOCATION: (29)
345 <223> OTHER INFORMATION: inosine
347 <220> FEATURE:
348 <221> NAME/KEY: modified_base
349 <222> LOCATION: (30)
350 <223> OTHER INFORMATION: inosine
352 <220> FEATURE:
353 <221> NAME/KEY: modified_base
354 <222> LOCATION: (34)
355 <223> OTHER INFORMATION: inosine
357 <220> FEATURE:

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/553,305A

DATE: 11/03/2006
TIME: 10:29:06

Input Set : A:\64312465.APP
Output Set: N:\CRF4\11032006\J553305A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:15; N Pos. 24,25,29,30,34,35

VERIFICATION SUMMARY

DATE: 11/03/2006

PATENT APPLICATION: US/10/553,305A

TIME: 10:29:06

Input Set : A:\64312465.APP

Output Set: N:\CRF4\11032006\J553305A.raw

L:363 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0